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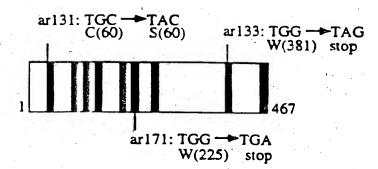
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FIGURE 1A

160 900 700 227 800 260 293 327 100 100 360 200 500 193 900 393 200 60 300 93 400 126 INGITETIGGGCGACTITETIACTIACTICTICCTICGGCAAGGCTTICATICGTACTITIGACTIGGAACACGACTATIGGCTTGTTATGTGGCCATTICTTATC 3AGGCGAGTICITCATCTGAAACGCCCAAAACGCCAAAAGTGAAACTGCAATTCCTCAAAAAGTGCAAATCGAATCGAATACTACAGCTTCAACGACACAAA 36TCTCTGCTTCACTCTTGTCCTGCTCGCCGTCTTCAAACGAGCACTCCCGGCTCTGCAATTTTCCCG3ACTCATTTTTTTACTTTTTTGTACCCG AGENCATICITÀTICCETÀCGITICITTÀCITGCAGITIGAAAACACGACAGACCCCGTGAACCGACGICGTCGTCAGACTICAAAATACTICTACAGCTTTITICCTGGA IACCITATIACAATGICIGCACIAATGGCICICITITAICAAGIACCIACCAGAATGGACIGIGIGGITIGGCIGITIGITAICICGGITITGGGATT IGGTTGCCGTGCTCACACCAAAAGGACCATTGAATATTTGGTGGAAACTGCACAGGAGAAAAGGAGCCAATTTTCCCGGCGCTGATTTATTCGLCTGG CAAATCGGAATAGCCAAGAAGACGAAAATGTTGTGGAAGAAGAGCGGAGCTGAAATACGGAGCATCTCACGTTATTCATCTATTTGTGCCGGTGTCACTATG ATCGTTGAGAAGGGATTGATGTCACTTGGAAATGCTCTCGTCATGTTGTGCGTGGTCGFTCTGATGACAGTTCTGCTGATTGTTTTTTTATAAATACAAGT PITATAAGCITIATICATGGATGGCTITATIGICAGCAGTITITCTICTTTTTCCTATICACTACAATCTATGTGC.AGAAGTICTGAAAAGTTTCGATGT GICTCCCAGCGCACTATTICGTTTTCGACTCGGGTAACTATCGAGTTCTCGGAATGATGTGTATACATTGGAAAGGTCCATTGCGTCTGCAACAGTTC TIGGATCATCACCCCATTITIGITIACACAAGTCTCTCAAAAGTGTTTATATTAATTICTICTITITITICCCATTITC TITIGCATCATCAACTTTITCGATTAT CATGGCTCTGGTTGTTTTTACGATGAACACGATTACGTTTTTATAGTCAAAACAATGGAAGGCATTAACTATCACATCCTTTTTGTCCGGGAAACAGAGACAGT TPKGPLRYLVETAQERNEPIFPALIYSSG EEAELKYGASHVIH<u>LFVPVSLC</u> T M S A L M A L V F I K Y L P E W T V W E V L F V I S V W D SALLVLFGLGNYGYLGMMCIHWKGPLRLOOF GLHSLGNALVWLMTVLLLIVFXKYK DFIFYSVLLGKASSYFDWNTTIACYVAILI SVYYINSLELPFLCIINFSI RETO FYKLIHGWLIVSSFLLLFTTIYVOEVLKSF PKVKRIPOKVOIESИТТАSТТ T A F PJSFF TTDPREPTSSDSNTS S. H P F V RELAAERPTVQDANFHREEE S LVVFTHNTITEYSONNGRHLL Q F P GADA CFTLVLLAVEKRALPAL <u>ပ</u> 0 **Σ** PHLLHKSLK æ VIYPYVLVTAV × × E T P <u>م</u> 428 294 001 328 394 301 194 228 801 261 101 201 201 501 161 601 701 361 61 301 94 127 301 401

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FIGURE 1B



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FIGURE 2A

SEL-12 S182 E5-1	MTEIP MLTFMASDSE	APLSYFQNAQ EEVCDERTSL	MSEDNHLSNT MSAESPTPRS	VRSQNDNRER CQEGRQGPED	MPSTRRQQ QEH.NDRRSL GENTAQWRSQ
_			Buco Bar www		
SEL-12 S182 E5-1 SPE-4	GGGGADAETH GHPEPLSNGR ENEEDGEEDP			EELTLKYGAK EELTLKYGAK SSELVRSSQL	HVIHLEVPVS HVIMLEVPVT HVIMLEVPVT RWILESVIAN
	TM1				x
SEL-12 S182 E5-1 SPE-4	EGMALVV.FU EGMVVVV.AU EGMIVVV.AU MSLTESIWIG	MNTITEVSQN IKSVSEVTRK IKSVREVTEK VYNMEVNSEL	DG.QLIYTPF	TED TETVGQR TED TPSVGQR	GEMSLGNALV ALHSILNAAI LENSVLNTLI LEDGFINGVG
	TM7	2		TM3	
SEL-12 S182 E5-1 SPE-4	X MLCVVVLNIV MISVIVVNII MISVIVVNII TILVLGCVSF	EINEXXYKE EIVÜLVÄÄRC FÜVÜLVÄÄRC IMLAEVLFDE	X YKLIHGWLIV YKVII)AWLII YKJIHGWLIM RRIVKAWLIL	SSFLLLF SSLLLF SSLMLTF SCLLTFGVS	FTT FFSF FTTY AQTLHDMFSQ
	<u> </u>		TM4		
SEL-12 S182 E5-1 SPE-4	TYLGEVEKSF TYLGEVEKTY VFDQDDNNQY	DUSPSALLUI NUAVDYVIUA NUAMDYPILI YMTIVLIVUP	FGLGNYGYLG LLIWNFGVVG LTVWNFGAVG TVVYGFGG	MISTHWKGPL	RLOOAYLIMI VLOOAYLIMI
	TM5		TM6		1, 2 - 2
SEL-12 S182 E5-1	X SALMALVFIK SALMALVFIK	X YLPEWIVMEV YLPEWIAWLI	LFVISVWDLV LAVISVYDLV		MLVETAGERN

FIGURE 2B

TM7 EPITPARIYS SGVIYPYVEV TAVENTTOPR EPTSSDENTS TAFPGEASCS ETLEPARIYS STMVW...EV NMAEGDPEAG RRVSKNSKYN AESTERESQD EPIFPARIYS SAMVW...IV GMAKLDP....SSQGALQ LPYDPEMEED SEL-12 S182 E5-1KCVLNLIMFS ANEKRLTAGS NGEETNEGEE STIRRTVKQT IEYYTKREAQ SPE-4 TEKRPKVK RIPOKVQIES SEL-12 \$182 E5-1YD SFGEPSYP**@**V DDEFYGKIRG RRAAINPDSV PTEHSPLVEA EPSPIELKEK NSTEELSDDE SPE-4 NTMASTIGNS GVRVERELAA ERPTVQDANF HRHEEERG. WEAQRDSHLG PHRSTPESRA AVQELSSSIL AGEDPEERG. SEL-12 S182 E5-1 SPE-4 WKLGL GDFIEVSVIL GKASSYF..D WNTHTACYVA WKLGL GDFIEVSVIV GKASATASGD WNTHTACFVA WKLGL GDFIEVSVIV GKAAATGSGD WNTHTACFVA SEL-12 \$182 E5-1 SPE-4 KRPATAADAL NDGEMEREGF GDEVEYSLEI GRAASGCP. . FAVESAALG TM8 SEL-12 HAGEGETTV LLAVERRALP ALREPSPOS FETEVPAGSS PHOLHKSLKS TAGECLIEL ELAIFIKATE ALPISITEGE VEYFATDYLV QPEMDQLAFH **S182** E5-1 TIFGIVVIET VESTEESTIR MIPLEVICGT CYESSMEEN EQLYG... SPE-4 TM9? VYVINSLFLP FLCIINFSII S QF SEL-12 S182 E5-1QLMI....

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FIGURE 3A

FIGURE 3B

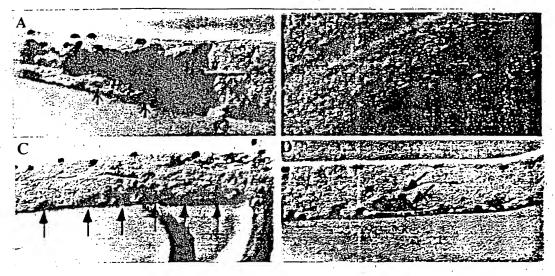


FIGURE 3C

FIGURE 3D